

**ABSTRACT**

A storage power optimized server system includes a high performance spinning hard drive for storing a first set of data and a power controlled hard drive for storing a second set of data. The high performance spinning hard drive is continuously driven while the power controlled hard drive may have a lower power consumption, slower access time or higher capacity than the high performance spinning hard drive. The first and second set of data may be based on one or more data conditions. The first set of data may include data that has been requested at a rate above a predetermined threshold, or after a predetermined file age date, or after a predetermined last access date. The second set of data may include data that has been requested at a rate below the predetermined request rate threshold, or before a predetermined file age, or before a predetermined last access date.